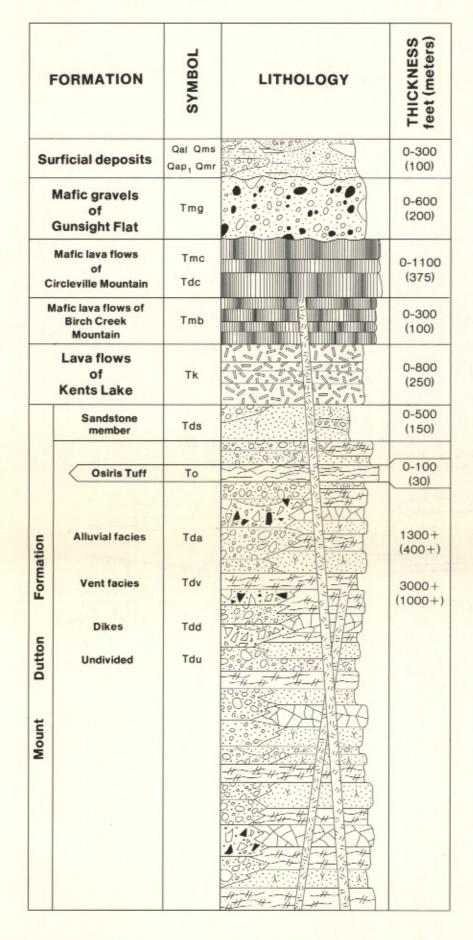
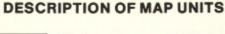


Plate 2 Utah Geological and Mineral Survey Map 80 Geologic Map of Circleville Mtn. Quadrangle





Alluvium-Unconsolidated silt, sand, and Qal gravel along active streams and ENE AND HOLOCENE washes. Landslide debris-disaggregated rock Qms and surficial deposits; locally consists of valley glacier deposits. Piedmont slope deposits-poorly sorted, unconsolidated silt, sand, and gravel PLEISTOC on sloping surfaces from deposition (alluvial fans) and erosion (pediments). Rock glacier gravel-unconsolidated, Qmr angular, poorly sorted cobble- and boulder-sized gravel consisting almost exclusively of Tmc. Unconformity Mafic gravels of Gunsight Flat-poorly Tmg consolidated conglomerate and fan-

ATERNARY

g

TERTIARY

OLIGOCENE AND MIOCENE

glomerate derived from Tmc and Tmb. Mafic lava flows of Circleville Tmc Mountain-resistant, dark-gray to black, vesicular to dense, porphyritic lava flows that resemble plateau basalts. Dikes of mafic lava flows of Circleville Mountains-moderately resistant, MIOCENE dark-gray to black, generally dense, porphyritic mafic rock identical in lithology to Tmc. Mafic lava flows of Birch Creek Tmb Mountain-moderately resistant, darkgray to black, vesicular to dense olivine basalt or olivine-bearing matic rock.

Lava flows of Kents Lake-moderately Tk resistant, light- to medium-gray, dense, andesite porphyry.

Osiris tuff-ledge-forming, reddish-brown To to pinkish- or purplish-gray, densely welded, vitric-crystal ash-flow tuff.

Mount Dutton Formation

Tds

Sandstone member-soft, light-gray, yellow or tan, cross-bedded, zeolite-cemented tuffaceous sandstone.

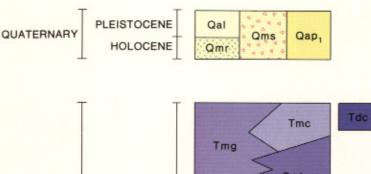
Dikes-dikes of porphyritic amphibole andesite.

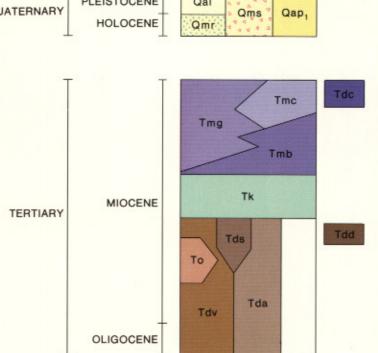
Vent facies-medium- to dark-gray and Tdv gray-brown, dense lava flows and autoclastic flow-breccia.

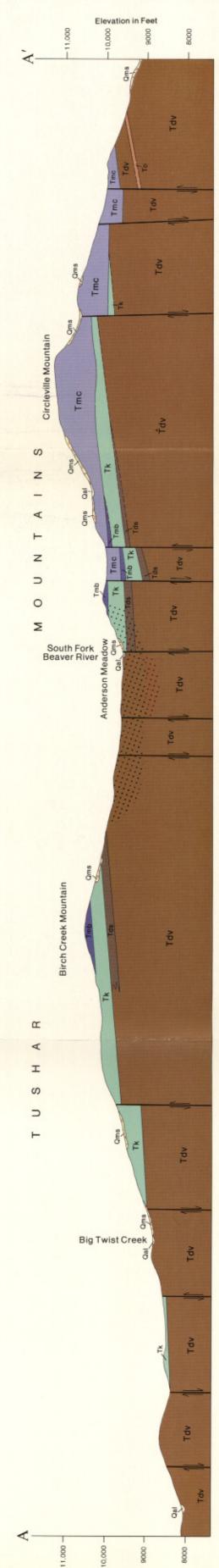
Alluvial facies-gray and brown volcanic Tda mudflow-breccia, conglomerate, and tuffaceous sandstone.

alluvial facies.

Undivided-undifferentiatable vent and







Dashed where approximately located

Elevation in Feet

CONTACT

FAULT

Dashed where location inferred; dotted where covered; bar and ball on downthrown side

STRIKE AND DIP OF BEDS

STRUCTURAL LINEAMENT

IDENTIFIABLE

ALTERED ROCKS

Hydrothermally altered rocks of the Mount Dutton Formation vent facies

SILICIFIED ROCKS Selectively and intensively silicific

rocks of the sandstone member of the

Mount Dutton Formation